

# RHIC Status Update

“Farewell happy (magnetic) fields  
Where joy forever dwells:  
Hail, horrors!”

Paradise Lost

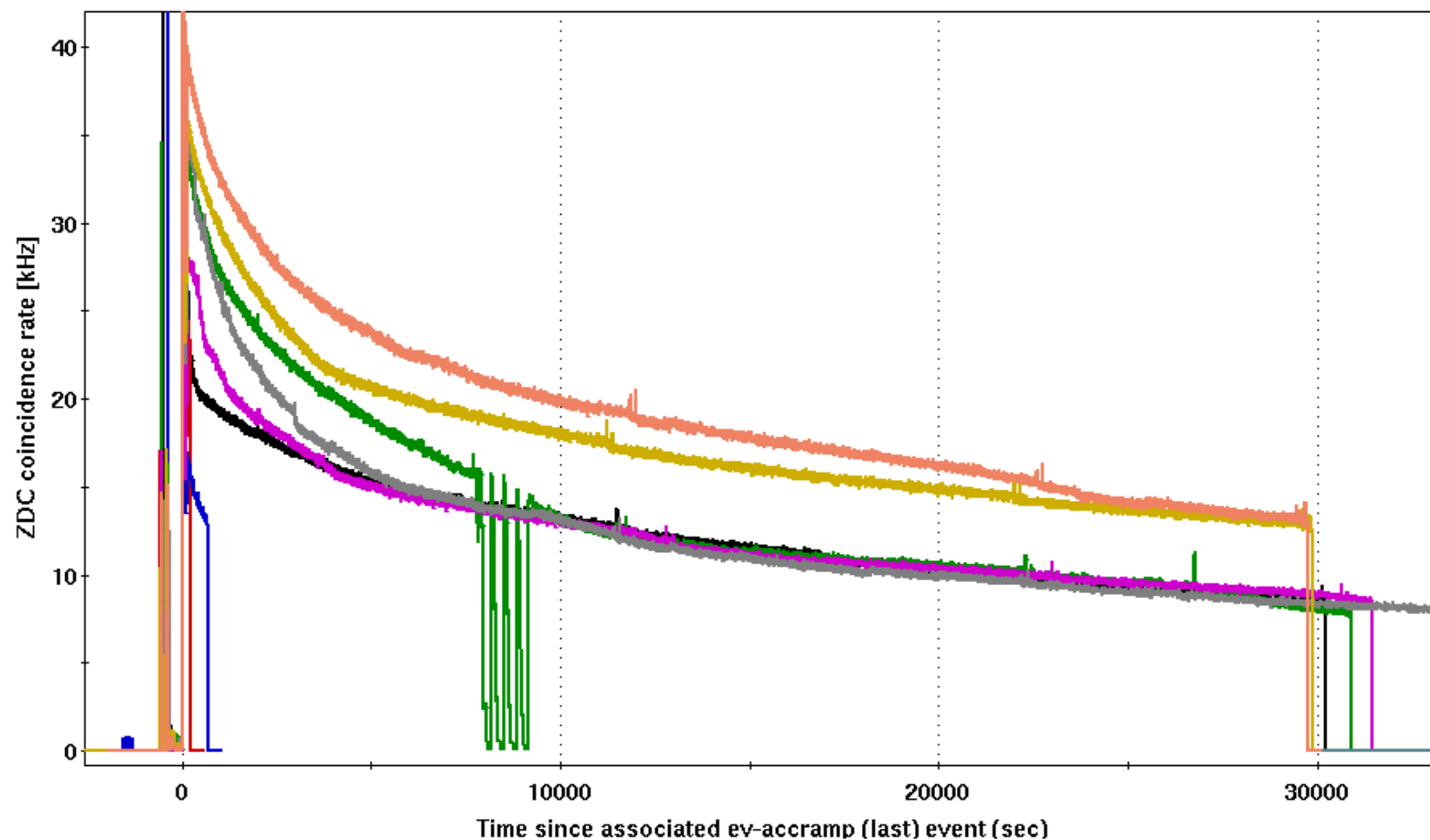
Time Meeting 3/17/15



# RHIC Status

- Down since Saturday afternoon
  - One phase of 69 kV dropped, took out everything
  - Cryo temps up to 15 K, 2/3 of He stock went to gas
  - Many, many other systems affected
- (Had been) Delivering stores at  $2.2 \times 10^{11}$ /bunch
- Beam-beam limited in blue
  - Cause of emittance growth/bad lumi lifetime
  - Substantially improved with strict tune requirements
  - Need to understand the blue e-lens problem

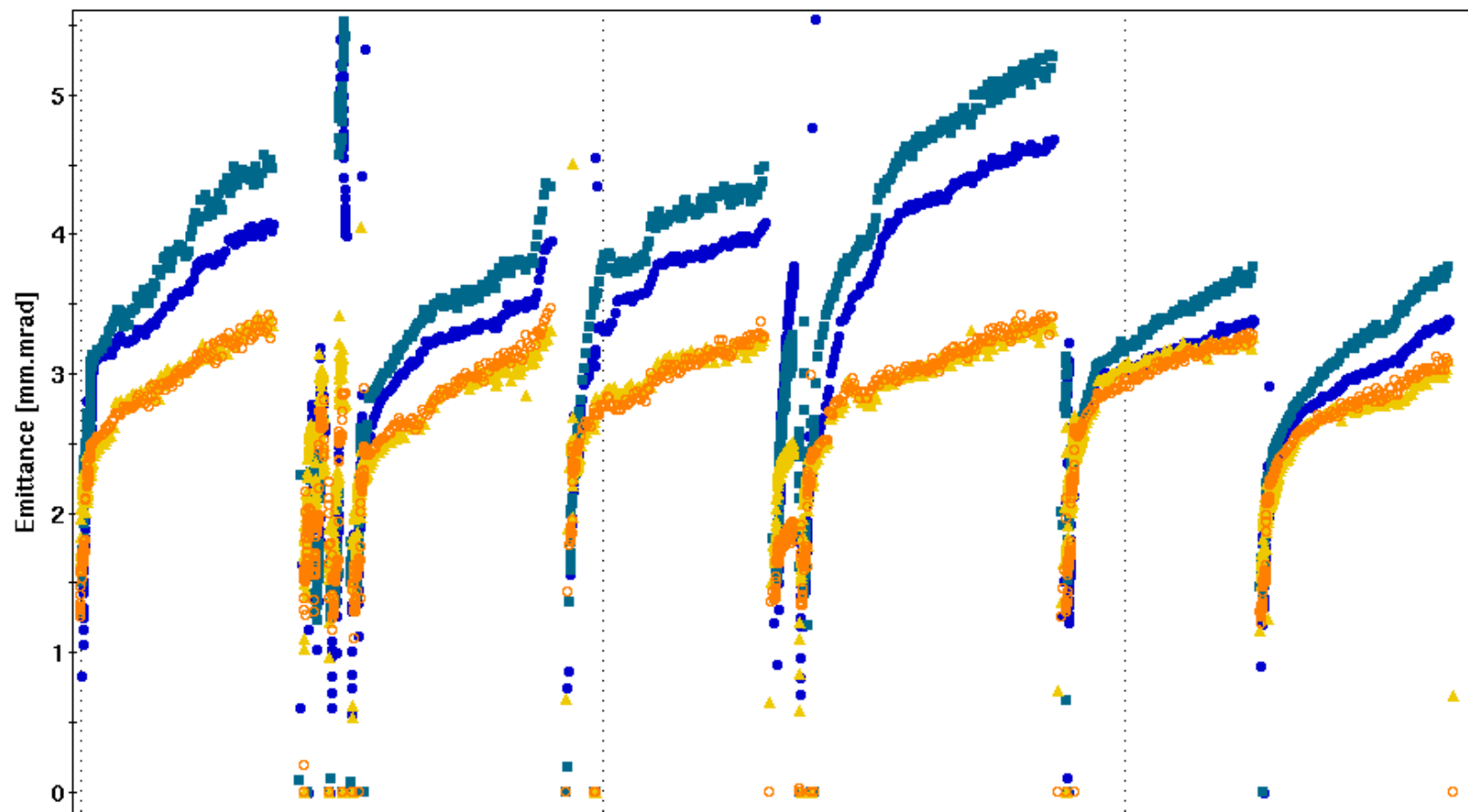
File Window Markers Analysis



PHENIX..ZDC.:18772 PHENIX..ZDC.:18774 PHENIX..ZDC.:18775 PHENIX..ZDC.:18776 PHENIX..ZDC.:18777  
PHENIX..ZDC.:18778 PHENIX..ZDC.:18779 PHENIX..ZDC.:18780 PHENIX..ZDC.:18781



File Window Markers Analysis



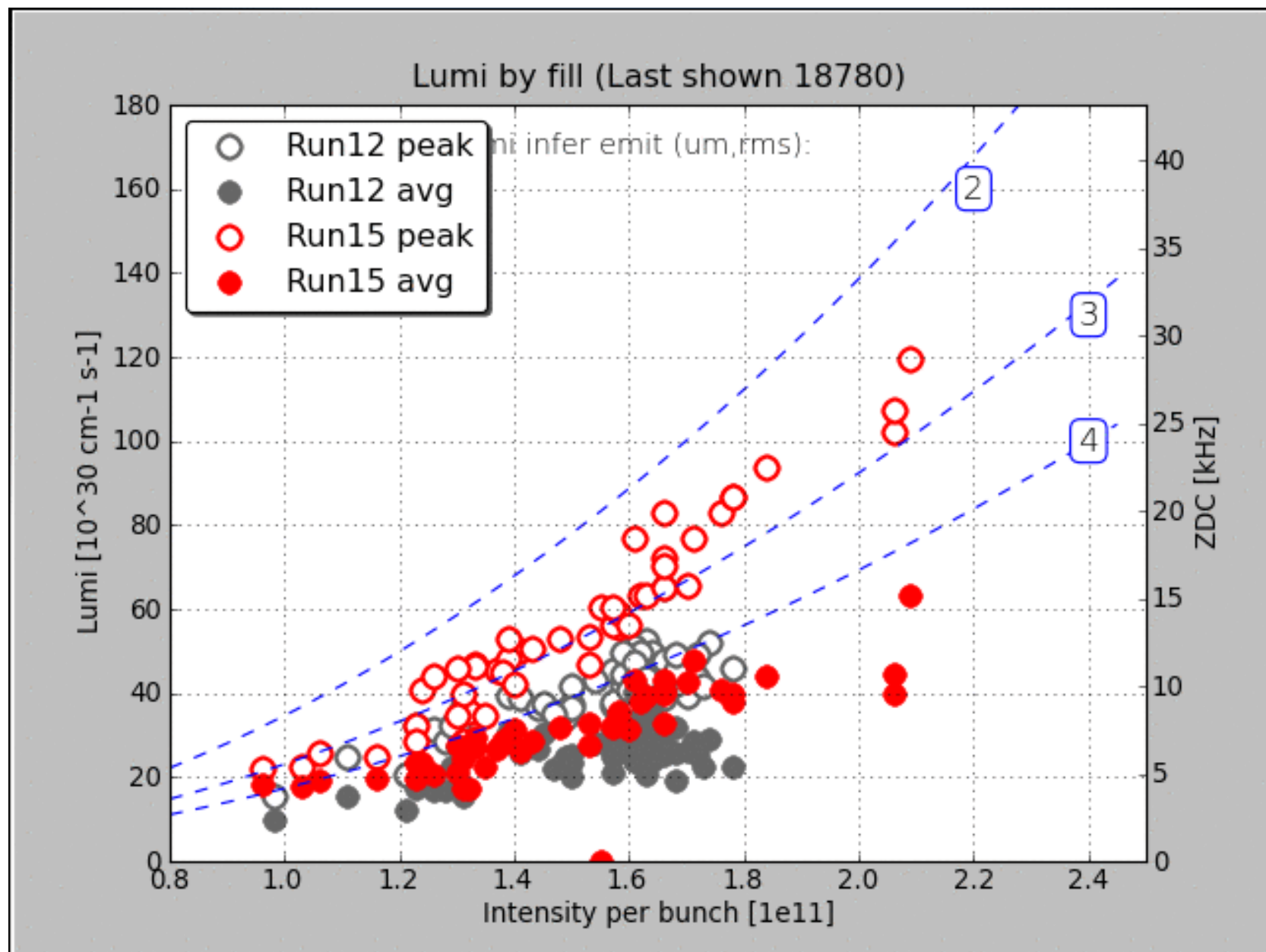
Thu 12

Fri 13

Sat 14

Time (Start Fill = 18772)

BlueHoriz (D) BlueVert (D) YellowHoriz (D) YellowVert (D)



Jet Polarization vs. Int per bunch

